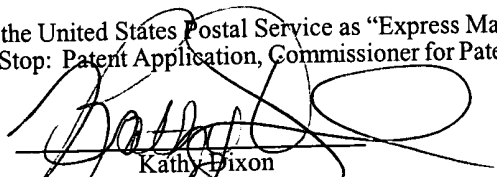


# TRANSMITTAL FORM

I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail" under Label No. EL 994 654 689US in an envelope addressed to: Mail Stop: Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

Oct. 1, 2003  
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Kathy Dixon

031088 U.S. PTO  
10/677156  
  
100103

Mail Stop: Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attorney Doc. #: 67,200-968  
Mailing Date: Oct. 1, 2003

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s):                George T.C. Tsou                Kevin W.C. Chiang  
   Ted T.C. Kao

For:    Enhanced Retention Time for Embedded Dynamic Random Access Memory (DRAM)

Submitted herewith are:

- ☒ 3 sheet(s) of formal drawings
- ☒ An Assignment of the invention to Taiwan Semiconductor Manufacturing Co., Ltd., together with Assignment Recordal Sheet
- ☒ A Declaration for patent application under CFR 1.63 and 1.68

The filing fee has been calculated as shown below:

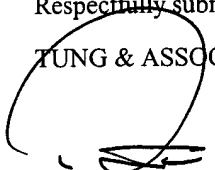
	No. Filed	No. Extra	Small Entity Fee	Large Entity Fee	Total
Basic Fee			\$385.00	\$770.00	\$770.00
Total Claims	21x20	1 x	\$9.00	\$18.00	\$18.00
Indep. Claims	3-3	0 x	\$43.00	\$86.00	\$0
Multiple Dep. Clms.			\$145.00	\$290.00	\$0
Assign. Rec. Fee			\$40.00	\$40.00	\$40.00
TOTAL					\$828.00

Mailing Date: Oct. 1, 2003  
Attorney Docket No.: 67200-968

- X Attached is a Credit Card Payment Form for the sum of \$ 828.00
- X Charge American Express Credit Card No. 3715 663193 71002 the sum of \$ 828.00  
A duplicate copy of this transmittal is attached.
- X The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to American Express Credit Card No. 3715 663193 71002.  
A duplicate copy of this sheet is enclosed.
- X Any additional filing fees required under 37 CFR 1.6  
X Any patent application processing fees under 37 CFR 1.17

Respectfully submitted,

TUNG & ASSOCIATES

  
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RWT/kd  
Enclosures